

## ABSTRACT

A method and an apparatus for generating stereoscopic images that can efficiently generate stereoscopic images that do not burden the observer's eyes are provided. The 5 method includes the steps of converting object data made of polygons having 3D coordinates to parallax camera coordinate system data respectively with their origins at parallax cameras for right and left eyes having predetermined parallax angles; performing scaling using 10 the converted parallax camera coordinate system data to compress coordinates of the parallax camera coordinate system data in the direction of the depth of a stereoscopic viewable range of a stereoscopic display device such that all the objects have their image formation positions 15 within the stereoscopic viewable range; drawing the scaled parallax camera coordinate system data in a video memory; and displaying, on the stereoscopic display device, drawing data drawn in the video memory.